

FLEXQ
CONNECTORS

HHT
Full Flow



LINKING PRECISION WITH PERFORMANCE

HHT, the international standard quick coupling system for low pressure applications and all media

HHT, das internationale Profil für Niederdruckanwendungen und alle Medien

Characteristics / Eigenschaften

- | | |
|----------------------------------|-------------------------------------|
| • Optimized flow characteristics | • Optimierter Durchfluss |
| • Ergonomic und compact design | • Ergonomische und kompakte Bauform |
| • Wide flow size range | • Große Nennweiten |
| • Available in stainless-steel | • In Edelstahl erhältlich |
| • International profile | • Internationales Profil |

Safe and quick locking / Schnelle und sichere Verriegelung

Depending on the size, the balls provide a reliable locking. The locking sleeve is ergonomic designed - thanks to this properties HHT series become a comfortable and safe quick connecting and disconnecting coupling system.

Je nach Größe sorgen die Kugeln für eine zuverlässige Verriegelung. Die Verriegelungshülse ist ergonomisch gestaltet. Dank dieser Eigenschaften wird die HHT-Serie zu einem komfortablen Schnellkupplungssystem und garantiert sicheres Ein- und Auskuppeln.

HHT
COOLING STANDARD





FLEXQ Series HHT

-- PROFILE INTERNATIONAL --

Options / Optionen

- Color coding / Farbkodierung
- Stainless Steel / Edelstahl
- Safety locking / Sicherheitsverriegelung

R / B
VA
S

Using areas / Einsatzbereiche

- Cooling heating / Temperierung
- Injection moulding / Kunststoffindustrie



Standard version Brass / Meesing Materials / Materialien

Body Socket	Brass	Kupplungskörper	Messing
Body Plug	Brass	Stecker	Messing
Sleeve	Brass	Hülse	Messing
Locking Ring	Stainless steel	Sprengring	Edelstahl
Spring	Stainless steel	Feder	Edelstahl
Balls	Stainless steel	Kugeln	Edelstahl
Seals	Nitril (NBR)	Dichtungen	Nitril (NBR)



Steel version / Stahl Version Materials / Materialien

Body Socket	Steel nickel pl.	Kupplungskörper	Stahl verz.
Body Plug	Steel nickel pl.	Stecker	Stahl verz.
Sleeve	Steel nickel pl.	Hülse	Stahl verz.
Locking Ring	Stainless steel	Sprengring	Edelstahl
Spring	Stainless steel	Feder	Edelstahl
Balls	Stainless steel	Kugeln	Edelstahl
Seals	Nitril (NBR)	Dichtungen	Nitril (NBR)



Temperature range / Temperaturbereich

Nitril (NBR)	N	- 15 °C +100 °C
Fluor Carbon (FPM)	V	- 20 °C +160 °C (Water / Wasser) - 20 °C +200 °C (Heating Oil / Wärmeträgeröl)



Flow Size Nennweiten

HHT 04 HHT 06 HHT 10 HHT 13 HHT 19 HHT 25 HHT 32 HHT 38

4 6 10 13 19 25 32 38



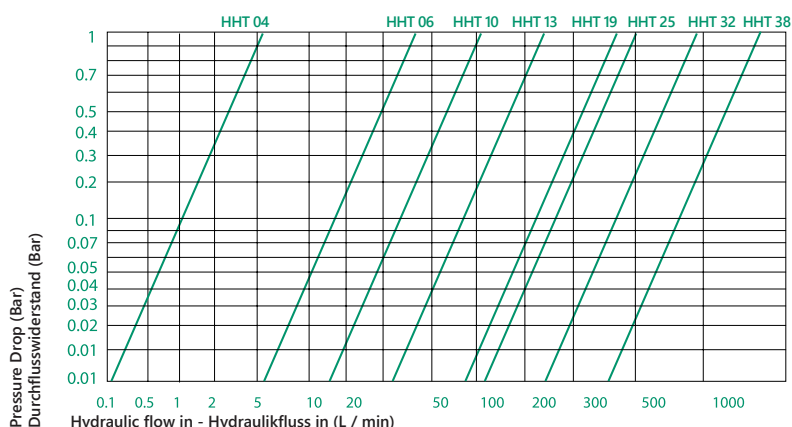
Pressure Druck

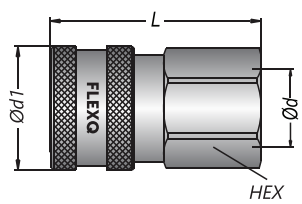
Check the table at page 31 / Siehe Tabelle auf Seite 31

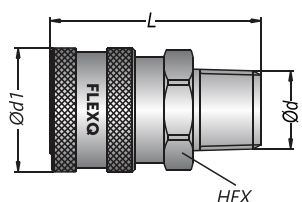
Always make sure no medium flows before disconnecting / Stellen Sie immer vor dem Trennen sicher, dass kein Medium fließt

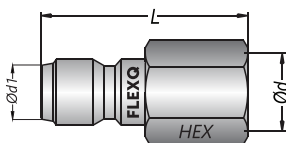
FLEXQ

Serie HHT - Flow Rate & Pressure Drop Graph / Durchfluss- und Druckabfalldiagramm

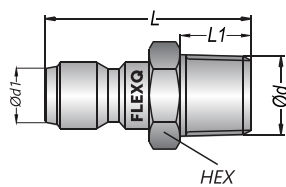


Size				Ød	Ød1	L	HEX	Female thread socket / Kupplung mit Innengewinde
	Brass Messing	Steel Stahl	Stainless Steel Edelstahl 303					
4	HHT 04 FFF 18	HHT 04 FFF 18 ST	HHT 04 FFF 18 VA	BSP 1/8	16	25	14	
	HHT 04 FNF 18	HHT 04 FNF 18 ST	HHT 04 FNF 18 VA	NPT 1/8	16	25	14	
6	HHT 06 FFF 14	HHT 06 FFF 14 ST	HHT 06 FFF 14 VA	BSP 1/4	24	37	21	
	HHT 06 FNF 14	HHT 06 FNF 14 ST	HHT 06 FNF 14 VA	NPT 1/4	24	37	21	
10	HHT 10 FFF 38	HHT 10 FFF 38 ST	HHT 10 FFF 38 VA	BSP 3/8	28	40	24	
	HHT 10 FNF 38	HHT 10 FNF 38 ST	HHT 10 FNF 38 VA	NPT 3/8	28	40	24	
13	HHT 13 FFF 12	HHT 13 FFF 12 ST	HHT 13 FFF 12 VA	BSP 1/2	32	50	27	
	HHT 13 FNF 12	HHT 13 FNF 12 ST	HHT 13 FNF 12 VA	NPT 1/2	32	50	27	
19	HHT 19 FFF 34	HHT 19 FFF 34 ST	HHT 19 FFF 34 VA	BSP 3/4	41	54	36	
	HHT 19 FNF 34	HHT 19 FNF 34 ST	HHT 19 FNF 34 VA	NPT 3/4	41	54	36	
25	HHT 25 FFF 10	HHT 25 FFF 10 ST	HHT 25 FFF 10 VA	BSP 1	50	60	41	
	HHT 25 FNF 10	HHT 25 FNF 10 ST	HHT 25 FNF 10 VA	NPT 1	50	60	41	
32	HHT 32 FFF 114	HHT 32 FFF 114 ST	HHT 32 FFF 114 VA	BSP 1 1/4	60	62	50	
	HHT 32 FNF 114	HHT 32 FNF 114 ST	HHT 32 FNF 114 VA	NPT 1 1/4	60	62	50	
38	HHT 38 FFF 112	HHT 38 FFF 112 ST	HHT 38 FFF 112 VA	BSP 1 1/2	79	74	65	
	HHT 38 FNF 112	HHT 38 FNF 112 ST	HHT 38 FNF 112 VA	NPT 1 1/2	79	74	65	

Size				Ød	Ød1	L	L1	HEX	Male thread socket / Kupplung mit Aussengewinde
	Brass Messing	Steel Stahl	Stainless Steel Edelstahl 303						
4	HHT 04 FRF 18	HHT 04 FRF 18 ST	HHT 04 FRF 18 VA	BSPT 1/8	16	26	9	14	
	HHT 04 FTF 18	HHT 04 FTF 18 ST	HHT 04 FTF 18 VA	NPT 1/8	16	26	9	14	
6	HHT 06 FRF 14	HHT 06 FRF 14 ST	HHT 06 FRF 14 VA	BSPT 1/4	24	40	12	21	
	HHT 06 FTF 14	HHT 06 FTF 14 ST	HHT 06 FTF 14 VA	NPT 1/4	24	40	12	21	
10	HHT 10 FRF 38	HHT 10 FRF 38 ST	HHT 10 FRF 38 VA	BSPT 3/8	28	43	12	24	
	HHT 10 FTF 38	HHT 10 FTF 38 ST	HHT 10 FTF 38 VA	NPT 3/8	28	43	12	24	
13	HHT 13 FRF 12	HHT 13 FRF 12 ST	HHT 13 FRF 12 VA	BSPT 1/2	32	51	17	27	
	HHT 13 FTF 12	HHT 13 FTF 12 ST	HHT 13 FTF 12 VA	NPT 1/2	32	51	17	27	
19	HHT 19 FRF 34	HHT 19 FRF 34 ST	HHT 19 FRF 34 VA	BSPT 3/4	41	57	19	36	
	HHT 19 FTF 34	HHT 19 FTF 34 ST	HHT 19 FTF 34 VA	NPT 3/4	41	57	19	36	
25	HHT 25 FRF 10	HHT 25 FRF 10 ST	HHT 25 FRF 10 VA	BSPT 1	50	66	23	41	
	HHT 25 FTF 10	HHT 25 FTF 10 ST	HHT 25 FTF 10 VA	NPT 1	50	66	23	41	
32	HHT 32 FRF 114	HHT 32 FRF 114 ST	HHT 32 FRF 114 VA	BSPT 1 1/4	60	78	24	50	
	HHT 32 FTF 114	HHT 32 FTF 114 ST	HHT 32 FTF 114 VA	NPT 1 1/4	60	78	24	50	
38	HHT 38 FRF 112	HHT 38 FRF 112 ST	HHT 38 FRF 112 VA	BSPT 1 1/2	79	80	25	65	
	HHT 38 FTF 112	HHT 38 FTF 112 ST	HHT 38 FTF 112 VA	NPT 1 1/2	79	80	25	65	

Female thread plug / Nippel mit Innengewinde		 Size				Ød	Ød1	L	HEX
			Brass Messing	Steel Stahl	Stainless Steel Edelstahl 303				
	4	HHT 04 MFF 18	HHT 04 MFF 18 ST	HHT 04 MFF 18 VA	BSP 1/8	8	24	14	
		HHT 04 MNF 18	HHT 04 MNF 18 ST	HHT 04 MNF 18 VA	NPT 1/8	8	24	14	
	6	HHT 06 MFF 14	HHT 06 MFF 14 ST	HHT 06 MFF 14 VA	BSP 1/4	12	36	17	
		HHT 06 MNF 14	HHT 06 MNF 14 ST	HHT 06 MNF 14 VA	NPT 1/4	12	36	17	
	10	HHT 10 MFF 38	HHT 10 MFF 38 ST	HHT 10 MFF 38 VA	BSP 3/8	15	42	22	
		HHT 10 MNF 38	HHT 10 MNF 38 ST	HHT 10 MNF 38 VA	NPT 3/8	15	42	22	
	13	HHT 13 MFF 12	HHT 13 MFF 12 ST	HHT 13 MFF 12 VA	BSP 1/2	18	48	24	
		HHT 13 MNF 12	HHT 13 MNF 12 ST	HHT 13 MNF 12 VA	NPT 1/2	18	48	24	
	19	HHT 19 MFF 34	HHT 19 MFF 34 ST	HHT 19 MFF 34 VA	BSP 3/4	25	49	30	
		HHT 19 MNF 34	HHT 19 MNF 34 ST	HHT 19 MNF 34 VA	NPT 3/4	25	49	30	
	25	HHT 25 MFF 10	HHT 25 MFF 10 ST	HHT 25 MFF 10 VA	BSP 1	33	60	38	
		HHT 25 MNF 10	HHT 25 MNF 10 ST	HHT 25 MNF 10 VA	NPT 1	33	60	38	
	32	HHT 32 MFF 114	HHT 32 MFF 114 ST	HHT 32 MFF 114 VA	BSP 1 1/4	42	61	50	
		HHT 32 MNF 114	HHT 32 MNF 114 ST	HHT 32 MNF 114 VA	NPT 1 1/4	42	61	50	
	38	HHT 38 MFF 112	HHT 38 MFF 112 ST	HHT 38 MFF 112 VA	BSP 1 1/2	52	72	55	
		HHT 38 MNF 112	HHT 38 MNF 112 ST	HHT 38 MNF 112 VA	NPT 1 1/2	52	72	55	

Male thread plug / Nippel mit Aussengewinde



Size	  			Ød	Ød1	L	L1	HEX
	Brass Messing	Steel Stahl	Stainless Steel Edelstahl 303					
4	HHT 04 MRF 18	HHT 04 MRF 18 ST	HHT 04 MRF 18 VA	BSPT 1/8	8	28	9	12
	HHT 04 MTF 18	HHT 04 MTF 18 ST	HHT 04 MTF 18 VA	NPT 1/8	8	28	9	12
6	HHT 06 MRF 14	HHT 06 MRF 14 ST	HHT 06 MRF 14 VA	BSPT 1/4	12	38	11	14
	HHT 06 MTF 14	HHT 06 MTF 14 ST	HHT 06 MTF 14 VA	NPT 1/4	12	38	11	14
10	HHT 10 MRF 38	HHT 10 MRF 38 ST	HHT 10 MRF 38 VA	BSPT 3/8	15	42	12	17
	HHT 10 MTF 38	HHT 10 MTF 38 ST	HHT 10 MTF 38 VA	NPT 3/8	15	42	12	17
13	HHT 13 MRF 12	HHT 13 MRF 12 ST	HHT 13 MRF 12 VA	BSPT 1/2	18	49	17	22
	HHT 13 MTF 12	HHT 13 MTF 12 ST	HHT 13 MTF 12 VA	NPT 1/2	18	49	17	22
19	HHT 19 MRF 34	HHT 19 MRF 34 ST	HHT 19 MRF 34 VA	BSPT 3/4	25	56	19	27
	HHT 19 MTF 34	HHT 19 MTF 34 ST	HHT 19 MTF 34 VA	NPT 3/4	25	56	19	27
25	HHT 25 MRF 10	HHT 25 MRF 10 ST	HHT 25 MRF 10 VA	BSPT 1	33	63	22	35
	HHT 25 MTF 10	HHT 25 MTF 10 ST	HHT 25 MTF 10 VA	NPT 1	33	63	22	35
32	HHT 32 MRF 114	HHT 32 MRF 114 ST	HHT 32 MRF 114 VA	BSPT 1 1/4	42	69	24	45
	HHT 32 MTF 114	HHT 32 MTF 114 ST	HHT 32 MTF 114 VA	NPT 1 1/4	42	69	24	45
38	HHT 38 MRF 112	HHT 38 MRF 112 ST	HHT 38 MRF 112 VA	BSPT 1 1/2	52	84	25	55
	HHT 38 MTF 112	HHT 38 MTF 112 ST	HHT 38 MTF 112 VA	NPT 1 1/2	52	84	25	55

Technical Specifications			Working Pressure / Betriebsdruck		
 Size			Brass - Messing	Steel - Stahl (ST)	Stainless steel - Edelstahl (VA) -- AISI 303 --
			Bar	Bar	Bar
 HHT 04	BSP 1/8		170	170	285
 HHT 06	BSP 1/4		300	310	460
 HHT 10	BSP 3/8		170	190	380
 HHT 13	BSP 1/2		170	190	200
 HHT 19	BSP 3/4		125	190	200
 HHT 25	BSP 1		75	150	125
 HHT 32	BSP 1-1/4		125	125	135
 HHT 38	BSP 1-1/2		100	115	120

LINKING PRECISION WITH PERFORMANCE

QUICK COUPLING SOLUTIONS

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